

ELP AWARD WINNERS

Marathon Petroleum Company, LLC, Louisiana Refining Division (LRD), Garyville, LA:

NO_x Reductions via Installation of Selective Catalytic Reduction (SCR) Devices

Marathon is being awarded an Environmental Leadership Program (ELP) Large Business Achievement Award in Pollution Prevention for reducing potential NO_x emissions by approximately 197 tons per year. Marathon installed Selective Catalytic Reduction (SCR) control devices on five (5) of the largest heaters in the GME project. These newly installed devices include the two (2) new Crude Unit Charge heaters (permitted at 295 MMBtu/hr each), the 2 Vacuum Tower heaters (permitted at 124 MMBtu/hr each), and Coker Charge heater (permitted at 361 MMBtu/hr). SCR is a flue gas treatment technology that uses ammonia as a reagent to reduce NO_x to molecular nitrogen and water in the presence of a metal oxide catalyst.

Albemarle Corporation-Process Development Center, Baton Rouge, LA:

Lean Management and EMS

Albemarle is being awarded an ELP Large Business Achievement Award for their Environmental Management System by applying the LEAN Management methods to affect change and sustain improvement in its Environmental Management Systems. Use of the LEAN Management Methodology has significantly helped in eliminating the need for corrective action at 90 day drum storage pad for containers not meeting standards; reducing residence time for drums on 90 days storage pad to less than two weeks; reducing waste cost by an estimated \$100,000; and dramatically improving housekeeping. These methods have accelerated the Process Development Center's ability towards continuous improvement.

Kleinpeter Farms Dairy, LLC, Baton Rouge, LA:

Recycle and Recapture Programs

Kleinpeter Farms Dairy is being awarded an ELP Medium Business Achievement Award in Pollution Prevention for undertaking a series of activities such as: partnering with the Recycling Foundation and the City of Baton Rouge to promote recycling, (which increased by 23 percent) and reduce the amount of waste going to landfills. Kleinpeter also partnered with Waste Management to collect used florescent lights and ballasts at the business and from its employees. Kleinpeter updated and expanded their wastewater treatment facility thereby reducing the total suspended solids by 104 mg/L. The solid particles from the wastewater are collected and used for fertilizer on the dairy farm operation, which covers nearly 600 acres. Kleinpeter Farms Dairy captured the heat that was wasted in the ammonia refrigeration system process by piping the ammonia gas through a water tank to preheat the city water supply that

goes to the boiler. This alters the water supply from 70 degrees Fahrenheit to 140 degrees Fahrenheit, which will save \$12,000 - \$15,000 per year for the company.

Nalco Company, Garyville, LA:

Acrylamide Capture & Reclamation, Used Oil and Nitrate Reduction Programs

Nalco Company is being awarded an ELP Medium Business Recognition Award in Pollution Prevention for reducing the amount of acrylamide discharge to PACT wastewater plant during reactor resin bed regeneration and reclaiming 900,000 pounds of acrylamide annually. Nalco's piping redesign in Building 12- Oil Side Blending Unit resulted in a reduction of piping from 400 feet to 100 feet for maximum efficiency and minimal waste and led to a reduction of 75 percent in the amount of oil required for cleaning. As a result, the used oil generation in the area has been reduced from 300,000 pounds annually to 75,000 pounds a year, a reduction of 225,000 pounds at a cost savings of approximately \$150,000 annually. Nalco has reduced nitrate compound concentration in its plant effluent by 50 percent by maintaining a low dissolved oxygen concentration in the effluent prior to discharge to the environment. An additional 25 percent reduction was achieved with the installation of an online meter. The reductions from the company help to reduce hypoxia in the Gulf of Mexico.

Recycling Foundation of Baton Rouge, Baton Rouge, LA:

Recycling Drop-Off Drives for Jefferson Parish Residents

The Recycling Foundation is being awarded an ELP Medium Business Achievement Award in Community Environmental Outreach for sponsoring free recycling drop-off events for Jefferson Parish. The last event in June of 2009 completely packed eight trucks full with recyclables. More than 1000 vehicles a month dropped off various recycling material at this facility, culminating in nearly 550 tons of waste diverted from the local landfills. This project provided area residents with a needed environmental service that had been seriously lacking since Hurricane Katrina and helped sustain recycling and waste reduction initiatives that were in place prior to the storm. It further demonstrated the continued public support to re-establish municipal recycling programs in the Greater New Orleans area.

Baker Petrolite – Rayne Blend Plant, Rayne, LA:

Solid Waste Reduction & Recycling Program

Baker Petrolite is being awarded an ELP Small Business Achievement Award in Pollution Prevention for establishing an aggressive program focused on the reduction of solid waste while supporting the timely disposal/disposition of waste above and beyond that established by regulatory compliance. This program is complemented by a comprehensive waste recycling initiative with the goal of resource conservation and reduction of expended industrial waste. The total reduction of 15,175 pounds in solid waste generation at the Rayne Blend Plant

dramatically diminishes the environmental impacts. Effectiveness is evident with the significant increase in production from 27.7 million pounds to 34.0 million pounds in 2009 while employees have increased the amount of waste recycled by over seven thousand pounds (7,499 pounds). The Rayne Blend Plant significantly reduced the risk and potential exposure to the environment by reducing waste and landfill space.

Natural Resources Recovery Inc, Baton Rouge, LA:

Ronaldson Field's Alsen Community Enhancement Program

Natural Resources Recovery is being awarded an ELP Small Business Special Recognition Award in Community Environmental Outreach by bringing Catholic Charities together with BREC to improve the quality of life for the residents in the Alsen Community. NRRI has made property improvements to those who cannot afford them, including a foundation repair for a resident. NRRI also invites guest speakers for a senior support group in the community and collaborated on occasion with St. Vincent's pharmacy to refill medications for seniors.

Barksdale Air Force Base, Barksdale AFB, LA:

Earth Day Celebrations

Barksdale AFB is being awarded an ELP Federal Entity Achievement Award in Community Environmental Outreach by annually hosting students and chaperones from local elementary schools in celebration of Earth Day. The education and outreach program is designed to introduce 9 and 10-year-old children the importance of conserving and preserving the earth's natural resources. The children are treated to a field trip to see the recycling program's collection and processing areas. Wildlife and environmental compliance professionals teach different aspects of wildlife recognition, resource conservation, and protection to the students during the base tour. Through this program, students are given a unique hands-on learning opportunity to see, on a large scale, the benefits of waste reduction and recycling and thereby, be motivated to help preserve and protect the environment.

City of Denham Springs – Department of Public Works, Denham Springs, LA:

Sewer Treatment Plant Upgrade

The City of Denham Springs is being awarded an ELP Municipality Recognition Award in Pollution Prevention for building a new sewage treatment facility that also included in the treatment facility design, nutrient removal (nitrogen and phosphorus), tertiary treatment (sand filters), odor control and exceptional quality sludge processes. By increasing the design flow of the existing facility, the City has allowed for additional capacity from future developments. A portion of the final discharge will be used for irrigation purposes at a golf course. The new

sewage treatment facility will decrease the total contaminant discharge by approximately 1 ton per day. The City will remove an additional 2.3 tons per day of contaminants once operating at full capacity. The new facility should improve the environment for the citizens of the parish and for the state of Louisiana.

City of Monroe – Transit System, Monroe, LA:

Hybrid Bus Transportation

The City of Monroe Transit System is being awarded an ELP Municipality Achievement Award in Pollution Prevention for improving the quality of air by purchasing a hybrid bus. The bus gets 47 percent better miles per gallon than the conventional buses in the fleet. The bus can also run on B20 diesel (bio-diesel) which further reduces emissions and improves the air quality. The project has received attention by local radio and TV stations for the commitment to a better environment for the city of Monroe and the state.

Jefferson Parish Dept. of Environmental Affairs, Jefferson Parish, LA:

Nonpoint Source Pollution and Solutions

The Jefferson Parish Department of Environmental Affairs is being awarded an ELP Municipality Recognition Award in Community Environmental Outreach for undertaking a series of activities to educate the school children, the general public, homeowners, construction site operators and lawn maintenance companies about the importance of water quality issues, particularly storm water pollution. Current outreach activities include classroom demonstrations of the Enviroscope model, a drain marking program, annual participation in Earth Day at the Audubon Zoo, annual *Brooms to Basins Campaign*, and an annual leaf blower and grass clippings campaign. As a result of the public becoming more knowledgeable from these programs, the number of complaints related to leaf blowers and grass clippings increased from 17 to 85 in 2009. Illicit discharge complaints have increased from 112 to 190 last year alone. The community outreach programs and others contribute to a community that is informed and knowledgeable, which is critical to the success of any storm water program and a better environment for Louisiana.

City of Baton Rouge / East Baton Rouge Parish, Baton Rouge, LA:

Baton Rouge Establishes a Litter Court for Environmental Enforcement

The City of Baton Rouge/East Baton Rouge is being an ELP Municipality Achievement Award in Environmental Ordinance for establishing a Litter Court in East Baton Rouge to increase accountability, make penalties more uniform, and streamline enforcement. Since Litter Court began operating, about 400 Notices of Violation (NOV) have been written and about 75 percent of the violations were cleared “voluntarily” within 15 days of the NOV by the property owners.

This prevents certain areas from becoming breeding grounds for mosquitoes, rodents and other vermin that could impact public health. It also prevents leaking of automobile fluids, solid litter, and debris from entering municipal separate storm sewer systems and improves appearance of neighborhoods.

Capital Area Corporate Recycling Council, Baton Rouge, LA:

Recycle Your Electronics Day

Capital Area Corporate Recycling Council is being awarded an ELP Non-Governmental Organization Achievement Award in Pollution Prevention for partnering with WBRZ Channel 2 television station and Dearman's Restaurant and hosting a "Recycle Your Electronics Day" to collect used electronics from the Baton Rouge and surrounding community. The results from the collection were as follows; 682 monitors, 568 computers, 739 printers, 57 laptops, and 7,550 pounds of miscellaneous electronics totaling 31 tons of electronics. Over 300 cars dropped off material during the 8 hour event. The partnership for the event helped to collect electronic material for reuse and recycling, as well as educate the public on the importance of electronic recycling.

Coastal Plain Conservancy, Lake Charles, LA:

Educational Outreach

The Coastal Plain Conservancy (CPC) is being awarded an ELP Non-Governmental Organization Recognition Award in Community Environmental Outreach for educating the public on native prairie habitats. CPC partnered with Gillis Elementary 4H Club to plant 1000 native species of plants along the coastal plain. The CPC also took part in Brimstone Historical Society's 2nd *Saturday in Sulphur, a summer program for children*. The CPC educated 85 children and others about the native prairie and habitats through role playing and other innovative teaching techniques. The CPC engaged two organizations to advance their efforts in community education and improving the environmental quality in the area.

Louisiana State University-Facility Development, Baton Rouge, LA:

UNPLUG Resident Hall Energy Competition

LSU-Facility Development is being awarded an ELP Universities Recognition Award in Pollution Prevention for forming *UNPLUG*, a competition on the Baton Rouge Campus within residential halls to reduce energy use. Students, consisting of nine competitive teams in 18 residence halls, reduced electrical use by 172,034 kWh and offset carbon by 124 metric tons. This led to an average 18% reduction in energy consumption and an estimated \$13,763 in savings. These savings will help offset future rent increases and help provide funding for future improvements

to on-campus housing. The small adjustments in the students' daily routines, such as turning off lights and unplugging electronics, had a significant impact on overall energy consumption in campus halls and apartments and thereby positively impacting the world around them. This program is going to be expanded to other colleges across the state of Louisiana for further energy and financial savings.

St. Margaret Catholic School Science Club, Lake Charles, LA:

A Cleaner Today for a Greener Tomorrow

St. Margaret Catholic School Science Club in Community Environmental Outreach for bringing awareness to the Lake Charles area on pollution prevention matters in the community. The target awareness areas dealt with storm drain identification and what should not go into the drain. Students brought this information to the community by handing out flyers that identify where the storm drains lead and by putting ID decals on the actual drains. The students continue to follow up with a recycling program, by holding reverse pickets at all of our area recycle centers. The club also educates the community by handing out recycling information that includes times and locations of recycling sites and surveying the community to see where they can improve on pollution prevention.

University of Louisiana at Monroe- Department of Toxicology & Toxicology Club, Monroe, LA: Community Environmental Outreach Activities

University of Louisiana at Monroe- Department of Toxicology & Toxicology Club is being awarded an ELP Universities Achievement Award for Community Environmental Outreach by conducting or co-hosting several community outreach projects. These include: Earth Day where outreach was conducted to more than 300 students and faculty; World Water Monitoring Day, where 100 second graders were in attendance; Summer Gear-Up Program in Aquatic Toxicology and Pollution Prevention; storm drain marking in area neighborhoods, where more than 100 drains were marked, household hazardous waste collection day (more than 200 community members participated), parish drinking water committee activities, and pollution and water quality seminars/workshops. These events involved numerous people of the general population, schools, and the university community working together to improve the environment and educate others on environmental matters.

Harold Leggett, Ph.D., Zachary, LA:

Dr. Leggett is being awarded an ELP Individual Achievement Award for his efforts in protecting Louisiana's environment. Dr. Leggett served as Secretary of the Louisiana Department of Environmental Quality (LDEQ) from January 2008 to January 2010. Prior to his appointment as Secretary by Governor Bobby Jindal, Dr. Leggett served as Assistant Secretary for the Office of Environmental Compliance from January 2004 to December 2007. Prior to his appointment as Assistant Secretary by

Governor Kathleen Blanco, Dr. Leggett served as an environmental engineer, compliance manager and consultant for business and industry for more than 24 years. Dr. Leggett has served on several statewide LDEQ regulation development work groups, and is a former elected school board member and past president of the Zachary Community School Board. He has a bachelor's of science in agriculture and a master's degree in biology from Southeastern Louisiana University, and a doctorate from the University of Southern Mississippi.